

CLAIMS**What is claimed is:**

1. A method of operating a cooling system, comprising:
determining a cooling requirement of a computing system; and
controlling a vent valve of the cooling system based on the cooling requirement.
2. The method of claim 1, wherein the controlling includes adjusting an airflow resistance of one or more of a plurality of vent valves to meet the cooling requirement.
3. The method of claim 2, wherein the cooling requirement indicates a need for increased cooling of a first set of components of the computing system, and the adjusting includes increasing airflow to the first set of components and decreasing airflow to a second set of components of the computing system, each of the first set and the second set including one or more components.
4. The method of claim 1, wherein the determining is based on operating system state data for the computing system.
5. The method of claim 1, wherein the determining is based on power management data for the computing system.
6. The method of claim 1, wherein the determining includes determining a cooling requirement of at least one of a notebook computer, a desktop computer, a server and a set-top box.
7. A cooling system comprising:
a control module to determine a cooling requirement of a mobile computing system; and

a vent valve coupled to the control module, the control module to control the vent valve based on the cooling requirement.

8. The cooling system of claim 7, further including a plurality of vent valves, the control module to adjust an airflow resistance of one or more of the plurality of vent valves to meet the cooling requirement.

9. The cooling system of claim 8, wherein the cooling requirement is to indicate a need for increased cooling of a first set of components of the computing system, and the control module is to increase airflow to the first set of components and decrease airflow to a second set of components of the computing system, each of the first set and the second set to include one or more components.

10. The cooling system of claim 8, further including a fan chassis having surfaces defining a plurality of vent apertures corresponding to the plurality of vent valves.

11. The cooling system of claim 7, wherein the control module is to determine the cooling requirement based on operating system state data for the computing system.

12. The cooling system of claim 7, wherein the control module is to determine the cooling requirement based on power management data for the computing system.

13. The cooling system of claim 7, wherein the vent valve includes:
a movable airflow barrier; and
a solenoid coil operatively coupled to the airflow barrier and the control module.

14. The cooling system of claim 7, wherein the vent valve includes:
a movable airflow barrier; and
a motor operatively coupled to the airflow barrier and the control module.

15. A computing system comprising:
a housing having surfaces defining a vent aperture; and
a cooling system having a vent valve disposed adjacent to the vent aperture.

16. The computer system of claim 15, wherein the cooling system further includes a control module to determine a cooling requirement for the computing system and to control the vent valve based on the cooling requirement.

17. The computer system of claim 16, wherein the housing has surfaces defining a plurality of vent apertures and the cooling system has a corresponding plurality of vent valves, the control module to adjust an airflow resistance of one or more of the plurality of vent valves to meet the cooling requirement.

18. The computer system of claim 17, further including:
a first set of components; and
a set of components, wherein if the cooling requirement indicates a need for increased cooling of the first set of components, the control module is to adjust the airflow resistance to increase airflow to the first set of components and decrease airflow to the second set of components, and if the cooling requirement indicates a need for increased cooling of the second set of components, the control module is to adjust the airflow resistance to decrease airflow to the first set of components and increase airflow to the second set of components, each of the first set and the second set to include one or more components.

19. The computer system of claim 18, wherein the first set includes a processor die having a remote heat exchanger coupled to a heat-generating surface of the processor die.

20. The computer system of claim 17, wherein the cooling system further includes a fan chassis having surfaces defining a plurality of vent apertures and the

cooling system further includes a plurality of vent valves corresponding to the plurality of vent apertures, the control module to adjust an airflow resistance of one or more of the plurality of vent valves to meet the cooling requirement.

21. The computer system of claim 17, wherein the control module is to determine the cooling requirement based on operating system state data for the computing system.

22. The computer system of claim 17, wherein the control module is to determine the cooling requirement based on power management data for the computing system.

23. The computer system of claim 16, wherein the vent valve includes:
a movable airflow barrier; and
a solenoid coil operatively coupled to the airflow barrier and the control module.

24. The cooling system of claim 16, wherein the vent valve includes:
a movable airflow barrier; and
a motor operatively coupled to the airflow barrier and the control module.

25. The cooling system of claim 15, wherein the vent valve includes a manually operated airflow barrier.

26. The computer system of claim 15, wherein the computing system includes at least one of a notebook computer, a desktop computer, a server and a set-top box.

27. A method of operating a cooling system, comprising:
determining a cooling requirement of a notebook computer; and
controlling a plurality of vent valves of the cooling system based on the cooling requirement by adjusting an airflow resistance of one or more of the plurality of vent valves to meet the cooling requirement, where if the cooling requirement indicates a

need for increased cooling of a first set of components of the notebook computer, the adjusting increases airflow to the individual component and decreases airflow to a second set of components of the notebook computer, and if the cooling requirement indicates a need for increased cooling of the second set of components, the adjusting decreases airflow to the first set of components and increases airflow to the set of components, each of the first set and the second set to include one or more components.

28. The method of claim 27, wherein the determining includes determining the cooling requirement based on operating system state data for the notebook computer.

29. The method of claim 27, wherein the determining includes determining the cooling requirement based on power management data for the notebook computer.

30. A machine readable medium to store a set of instructions to be executed by a processor to:
determine a cooling requirement of a computing system; and
control a vent valve of the cooling system based on the cooling requirement.

31. The medium of claim 30, wherein the control of the vent valve is to include adjusting an airflow resistance of one or more of a plurality of vent valves to meet the cooling requirement.

32. The medium of claim 31, wherein the cooling requirement is to indicate a need for increased cooling of a first set of components of the computing system, and the adjusting is to include increasing airflow to the first set of components and decreasing airflow to a second set of components of the system, each of the first set and the second set to include one or more components.

33. The medium of claim 30, wherein the determining of the cooling requirement is to be based on operating system state data for the computing system.

34. The medium of claim 30, wherein the determining of the cooling requirement is to be based on power management data for the computing system.